

**ABSTRACT OF THE DISCLOSURE**

The present invention discloses a carrier for cell attachment or fixation and its preparation. The carrier of the present invention is formed by the following steps: forming a fiber by extruding a melted polymer from a nozzle; extending the fiber and shaping the extended fiber on the shaping  
5 net to form a three-dimensional branch-like non-woven structure; activating the surface of the non-woven structure to have cell affinity and facilitate the attaching and growing of the cell. Moreover, the surface of the carrier is wrinkled or rough to improve the stiffness of the carrier and keep enough  
10 space between the carriers.